

AMENDMENTS TO THE SPECIFICATION:

Please amend the paragraph on page 2, line 5, as follows:

The supply unit 101 supplies the core wire 105 which has no coating thereon. The extrusion-coating unit 102 extrudes the insulating synthetic resin onto the circumference of the core wire 105 supplied from the supply unit 101, forming the coating. The cooling water bath 103 cools the coating. The winding unit 104 cuts the wire 106 into a specific length and winds the cut wire 106 around a ~~drum~~ drum or the like placing the wire 106 in a condition of being shipped. Thus, the producing device 100 produces the wire 106.

Please amend the paragraph on page 5, line 2, as follows:

In order to attain the above objective, the present invention ~~described in claim 1~~ is a method of automatically marking an article which is transferred in one direction, comprising the steps of:

Please amend the paragraph on page 5, line 12, as follows:

According to the present invention ~~described in claim 1~~, a plurality of the coloring agents of the respective specific amount are spouted toward the outer surface of the article so as to mark the outer surface. Since the coloring agents of the respective specific amount are spouted, therefore when one coloring agent is replaced by the other coloring agent, the coloring agent is prevented from being mixed with the other coloring agent and the coloring agent to be adhered on the article can be changed immediately.

U.S. Patent Application Serial No. 10/523,975

Reply to OA dated September 5, 2008

Please amend the paragraph beginning on the last line of page 6 as follows:

The present invention ~~described in claim 2~~ is [[the]] a method of automatically marking an article ~~according to claim 1~~, wherein the article is an electric wire.

Please amend the paragraph on page 7, line 3 as follows:

According to the present invention ~~described in claim 2~~, the outer surface of an electric wire as the article is marked. Since the marking is carried out in response to the transfer speed of the wire, the coloring agents can be adhered on the outer surface of the wire according to a predetermined pattern even when the transfer speed of the wire changes. Of course, the wire being transferred with a high speed can be securely marked and the wire of long length can be marked.

Please amend the paragraph on page 7, line 10 as follows:

The present invention ~~described in claim 3~~ is a device for automatically marking an article which is transferred in one direction, comprising:

Please amend the paragraph on page 7, line 24 as follows:

According to the present invention ~~described in claim 3~~, a plurality of the spouting means spout the respective specific amount of the coloring agents toward the outer surface of the article so as to mark the outer surface. A plurality of the spouting means spout the coloring agent of the

U.S. Patent Application Serial No. 10/523,975

Reply to OA dated September 5, 2008

respective different colors. Since the respective specific amount of the coloring agents are spouted, when one coloring agent to be adhered on the article is replaced by the other coloring agent, one coloring agent is prevented from being mixed with the other coloring agent and the coloring agent to be adhered on the article can be changed immediately.

Please amend the paragraph on page 8, line 19 as follows:

The present invention ~~described in claim 4~~ is [[the]] a device for automatically marking an article ~~according to claim 3~~, wherein a plurality of the spouting means are arranged along the transfer direction of the article and the control means makes the spouting means spout the coloring agent according to a distance between the spouting means.

Please amend the paragraph on page 8, line 24 as follows:

According to the present invention ~~described in claim 4~~, a plurality of the spouting means are arranged along the transfer direction of the article. Therefore, the outer surface of the article can be securely marked with a plurality of the coloring agents. Further, the storing means stores a distance between the spouting means and the control means controls the spouting means to spout the coloring agent according to the distance between the spouting means. Accordingly, the coloring agents can be adhered on the outer surface of the article according to a predetermined pattern stored in the storing means.

U.S. Patent Application Serial No. 10/523,975
Reply to OA dated September 5, 2008

Please amend the paragraph on page 9, line 7 as follows:

The present invention ~~described in claim 5~~ is [[the]] a device for automatically marking an article ~~according to claim 3~~, wherein a plurality of the spouting means are arranged along a circumferential direction around the article.

Please amend the paragraph on page 9, line 11 as follows:

According to the present invention ~~described in claim 5~~, a plurality of [[the]] spouting means are arranged along a circumferential direction around the article. Therefore, the outer surface of the article can be securely marked with a plurality of the coloring agents. Since a plurality of the spouting means are arranged along a circumferential direction around the article, the device for automatically marking an article can be made compact.

Please amend the paragraph on page 9, line 24 as follows:

The present invention ~~described in claim 6~~ is [[the]] to a device for automatically marking an article ~~according to claim 5~~, wherein the spouting means spouts the coloring agent through an opening, which faces the outer surface of the article, a straight line obtained by connecting a center of the opening and a center of the article runs along a spouting direction of the coloring agent, and the spouting direction crosses both perpendicular and horizontal directions at an angle of 45°.

U.S. Patent Application Serial No. 10/523,975
Reply to OA dated September 5, 2008

Please amend the paragraph on page 10, line 5 as follows:

According to the present invention ~~described in claim 6~~, the spouting means spouts the coloring agent through an opening, which faces the outer surface of the article, a straight line obtained by connecting a center of the opening and a center of the article runs along a spouting direction of the coloring agent, and the spouting direction crosses both perpendicular and horizontal directions at an angle of 45°. Therefore, even when the article shakes both in the perpendicular and horizontal directions, the spouting means can securely mark the outer surface of the article.

Please amend the paragraph on page 10, line 13 as follows:

The present invention ~~described in claim 7~~ is [[the]] to a device for automatically marking an article ~~as claimed in any one of claims 3 - 6~~, further comprising a device body for receiving the storing means and the control means, wherein the device body comprises a plurality of connectors for connecting the device body to the spouting means and the connectors are provided in the same number as that of the spouting means according to the respective spouting means.

Please amend the paragraph on page 10, line 20 as follows:

According to the present invention ~~described in claim 7~~, the device comprises a device body for receiving the storing means and the control means, wherein the device body comprises a plurality of connectors for connecting the device body to the spouting means and the connectors

U.S. Patent Application Serial No. 10/523,975
Reply to OA dated September 5, 2008

are provided in the same number as that of the spouting means according to the respective spouting means. Therefore, with one device body, a plurality of the spouting means can be securely controlled and a space for installing the device can be reduced.

Please amend the paragraph on page 11, line 2 as follows:

The present invention ~~described in claim 8~~ is [[the]] a device for automatically marking an article ~~as claimed in any one of claims 3 - 7~~, wherein the article is an electric wire.

Please amend the paragraph on page 11, line 5 as follows:

According to the present invention ~~described in claim 8~~, the outer surface of an electric wire as the article is marked. Since the marking is carried out in response to the transfer speed of the wire, the coloring agents can be adhered on the outer surface of the wire according to a predetermined pattern even when the transfer speed of the wire changes. Of course, the wire being transferred with a high speed can be securely marked and the wire of long length can be marked.

Please amend the paragraph on page 11, line 12 as follows:

The present invention ~~described in claim 9~~ is [[the]] to a device for automatically marking an article ~~according to claim 8~~, wherein the electric wire is put in an electric wire cutting machine which cuts the electric wire after transferring the electric wire in said one direction.

U.S. Patent Application Serial No. 10/523,975
Reply to OA dated September 5, 2008

Please amend the paragraph on page 11, line 16 as follows:

According to the present invention ~~described in claim 9~~, the electric wire is put in an electric wire cutting machine which cuts the electric wire after transferring the electric wire in said one direction. Therefore, when a long electric wire is cut into a specific length, the wire can be marked with a specific pattern. A space for installing can be reduced and a man-hour for processing the wire can be reduced.

Please amend the paragraph on page 38, line 1 as follows:

According to the present invention ~~described in claim 1~~, a plurality of the coloring agents of the respective specific amount are spouted toward the outer surface of the article so as to mark the outer surface. Since the coloring agents of the respective specific amount are spouted, therefore when one coloring agent is replaced by the other coloring agent, the coloring agent is prevented from being mixed with the other coloring agent and the coloring agent to be adhered on the article can be changed immediately. Accordingly, the yield of the article can be prevented from deteriorating and the color for the mark to be formed on the article can be easily changed.

Please amend the paragraph on page 38, line 18 as follows:

According to the present invention ~~described in claim 2~~, the outer surface of an electric wire as the article is marked. Since the marking is carried out in response to the transfer speed of the wire, the outer surface of the wire can be marked according to a predetermined pattern even

U.S. Patent Application Serial No. 10/523,975

Reply to OA dated September 5, 2008

when the transfer speed of the wire changes. Of course, the wire being transferred with a high speed can be securely marked and the wire having long length can be marked. Accordingly, the production yield of the electric wire can be prevented from deteriorating and the color for the mark to be formed on the wire can be easily changed.

Please amend the paragraph on page 39, line 3 as follows:

According to the present invention ~~described in claim 3~~, a plurality of the spouting means spout the respective specific amount of the coloring agents toward the outer surface of the article so as to mark the outer surface. A plurality of the spouting means spout the coloring agent of the respective different colors. Since the respective specific amount of the coloring agents are spouted, when one coloring agent to be adhered on the article is replaced by the other coloring agent, one coloring agent is prevented from being mixed with the other coloring agent and the coloring agent to be adhered on the article can be changed immediately. Accordingly, the yield of the article can be prevented from deteriorating and the color for the mark to be formed on the article can be easily changed.

Please amend the paragraph on page 39, line 22 as follows:

According to the present invention ~~described in claim 4~~, a plurality of the spouting means are arranged along the transfer direction of the article. Therefore, the outer surface of the article can be securely marked with a plurality of the coloring agents. Further, the storing means stores a

U.S. Patent Application Serial No. 10/523,975
Reply to OA dated September 5, 2008

distance between the spouting means and the control means controls the spouting means to spout the coloring agent according to the distance between the spouting means. Therefore, the outer surface of the article can be marked according to a predetermined pattern.

Please amend the paragraph on page 40, line 4 as follows:

According to the present invention ~~described in claim 5~~, a plurality of the spouting means are arranged along a circumferential direction around the article. Therefore, the outer surface of the article can be securely marked with a plurality of the coloring agents. Since a plurality of the spouting means are arranged along a circumferential direction around the article, the device for automatically marking an article can be made compact.

Please amend the paragraph on page 40, line 17 as follows:

According to the present invention ~~described in claim 6~~, the spouting means spouts the coloring agent through an opening, which faces the outer surface of the article, a straight line obtained by connecting a center of the opening and a center of the article runs along a spouting direction of the coloring agent, and the spouting direction crosses both perpendicular and horizontal directions at an angle of 45°. Therefore, even when the article shakes both in the perpendicular and horizontal directions, the spouting means can securely mark the outer surface of the article.

U.S. Patent Application Serial No. 10/523,975
Reply to OA dated September 5, 2008

Please amend the paragraph on page 40, line 25 as follows:

According to the present invention ~~described in claim 7~~, the device comprises a device body for receiving the storing means and the control means, wherein the device body comprises a plurality of connectors for connecting the device body to the spouting means and the connectors are provided in the same number as that of the spouting means according to the respective spouting means. Therefore, with one device body, a plurality of the spouting means can be securely controlled and a space for installing the device can be reduced.

Please amend the paragraph on page 41, line 7 as follows:

According to the present invention ~~described in claim 8~~, the outer surface of an electric wire as the article is marked. Since the marking is carried out in response to the transfer speed of the wire, the coloring agents can be adhered on the outer surface of the wire according to a predetermined pattern even when the transfer speed of the wire changes. Of course, the wire being transferred with a high speed can be securely marked and the wire of long length can be marked.

Please amend the paragraph on page 41, line 14 as follows:

According to the present invention ~~described in claim 9~~, the electric wire is put in an electric wire cutting machine which cuts the electric wire after transferring the electric wire in said one direction. Therefore, when a long electric wire is cut into a specific length, the wire can

U.S. Patent Application Serial No. 10/523,975

Reply to OA dated September 5, 2008

be marked with a specific pattern. A space for installing can be reduced and a man-hour for processing the wire can be reduced.